

Primer 1

Primer II

FIG. 1

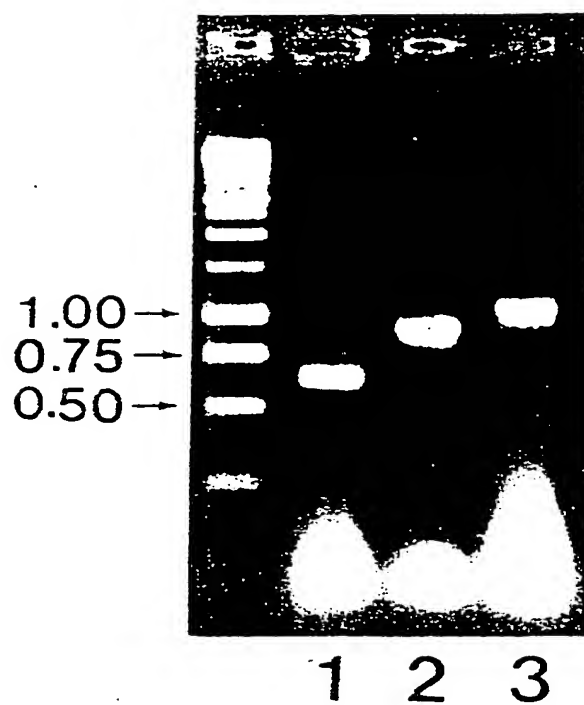


FIG. 2

FIG. 3A

Rat H35 cell FucT	LQORIVKLOPLSEKELPMITQMSNGNTESPERRDSEQHNGEL	44
Human Sec2	MLVQMPFSFPMAHF ILFVFTVWSTIFHVQQLAKIQAMWELPVQIPVLASTSKALGPSQL	60
Rat H35 cell FucT	RGMTINSIGRLGNQNGEYATILFALARMNGRLAFIPASMHNALAPIFRISLPVLHSDTAK	104
Human Sec2	RGMTINAIGRLGNQNGEYATILYALAKMNGRPAFIPAQMHSILAPIFRITLPVLHSATAS	120
Rat H35 cell FucT	KIPWQNYHLNDWMEEERYRHIP-GHFVRFICYPCSWTFYHHLRPEILKEFTLHDHVREEAQ	163
Human Sec2	RIPWQNYHLNDWMEEERYRHIIPPGCYVRFICYPCSWTFYHHLRQEILQEFTHLDHVREEAQ	180
Rat H35 cell FucT	AFRLRLRVNGSQPSTFGVHVRRGDYVHMPNMLGVVADRGYLEKALDMFRARYSSPVF	223
Human Sec2	KFLRLGLQVNGSRPGTFGVHVRRGDYVHMPKVMMLGVVADRRYLQQALDMFRARYSSLIF	240
Rat H35 cell FucT	VVTSNGMAWCRENINASRGDVVAFAGNGIEGSPAKOFALLTQCNTIMTICTFGIWAAYLA	283
Human Sec2	VVTSNGMAWCRENIDTSHGDVVFAGDGIEGSPAKOFALLTQCNTIMTICTFGIWAAYLA	300
Rat H35 cell FucT	GGDTIYLANITYLPDSPFLKVFKEAAFLPEWNGIPADLSPLLKALIPACPRSHFLKAKG	343
Human Sec2	GGDTIYLANITYLPDSPFLKIFKPEAAFLPEWTGIAADLSPLLKH	
Rat H35 cell FucT	VTCVACRAF	

FIG.3B

1004083-110101



1 2 3 4

FIG. 4

BEST AVAILABLE COPY

ATGCGCCAGCGCCACGGTTCCCTTTCCTCTTCCTCGGCCACATTCCTCATCTTTGCTCTTCGTGACTTCACCCATCATCCAC
 N W A S A Q V P F S F P L A H F L I F V F V T S T I I H

CCCTCCAGCAGCGAATAGTGAAGCTCCAACCCCTGTCAGAGAGGAATTACCGATGACGACTCAATGTCTCGCGAAACACAGAAACGCCACAGATGCCACGGCACAGC
LQQRIVK LQPLSEKELPMITTQMSSCGNTESPEMR RDS

GAGCAGCA TGGGAATGGAGAGCTGGCGGGCA TGTTCACGATCAATTCATTGGCGGGCTGGCGGAACCAAGATCGGGCAATACGCCACACICTTTCCACITGGCCAGCAIG
E Q H G N G E L R G M F T I N S I G R L G N Q M G E Y A T L F A L A R M

AACGGACGGCTTGGGTTCATCCCGGCATCCATGCACACGGCTCTAGCGGCCATCTTCAGGATCAGCCTCCCGGTGTTACACAGCGACACGGCCAAAAAGATCCCATGG
NCGRLAFIPASMHNA LAP IFRISLPVLS D T A K K I P W

CACAAATACCAICTCAACGACIGCATGGAGGAGCGGTACCGCCACATTCGGGACACTTTGTGGCGTTCACGGGATACCCGTGCTCTGGACCTCTACCAACCACCTG
Q N Y H L N D W M E E R Y R H I P C H F V R F T G Y P C S W T F Y H H L

CGCCCCAGAGA TCC TGAAGAG T TACCC TGCAT GACCAGG TCGGGCAGG AGGCCAGGCC T TCC TCGG TGG TCTCGGGGTGAATGGAGCCAGCCGAGTACTTTTGTG
R P E I L K E F T L H D H V R E E A Q A F L R G L R V N G S Q P S I F V

CGTGTCACATGTCGCGCCGACATGTCGCAATGTCGCAATGTCGCGGCGCA
G V H V R R G D Y V V H V M P N V W K G V V A D R G Y L E K A L D M F R A

R Y S S P V F V V T S N G M A W C R E N I N A S R G D V V F A G N C I E
 G C C A T T C A I C C C A G I C T G G T G G T T A C A G G A C C G T A T G G C T G G T C C C G G A G A N C A T T A A T G C T T C C C G A C C A G A C G T G G T G T C G C G C G C A A T G G T A T T A G

G S P A K D F A L L T Q C N H T I M T I G T F G I W A A Y L A G C D T I
GGGTCGGCAGCAGGACTCGGGTCGGCAGGACGACACACACACACACACATATGGGACCTTGGCGATTGGGCTGCCCTACCTGCCAGGTGGTGATACCATC

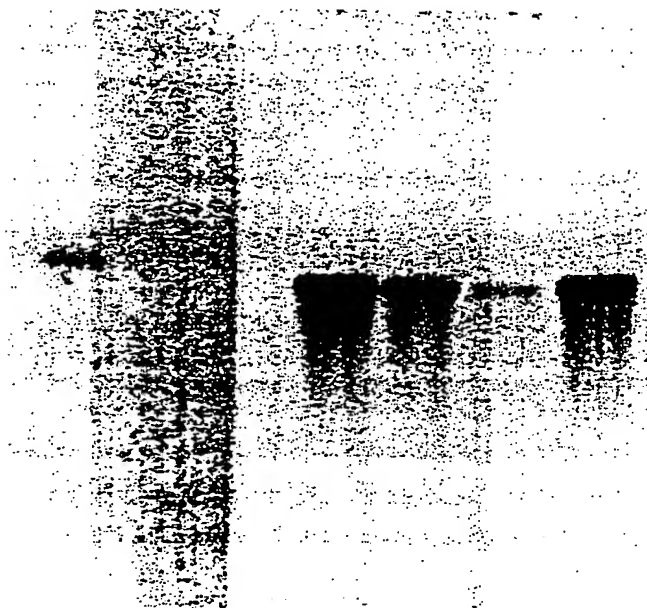
ACTTAGCCAACTACAGCCCTCCGGATCTCCGATCCCTGCGGATCTGTCGCCACCT
Y L A N Y T L P D S P F L K V F K P E A A F L P E W V G I P A D L S P L

L K A L T P A C P R S H F H L K A K G V T C Y V A C R : A F

5.5

7/10

GM₁ →



A B C D

FIG. 6

BEST AVAILABLE COPY

8/10

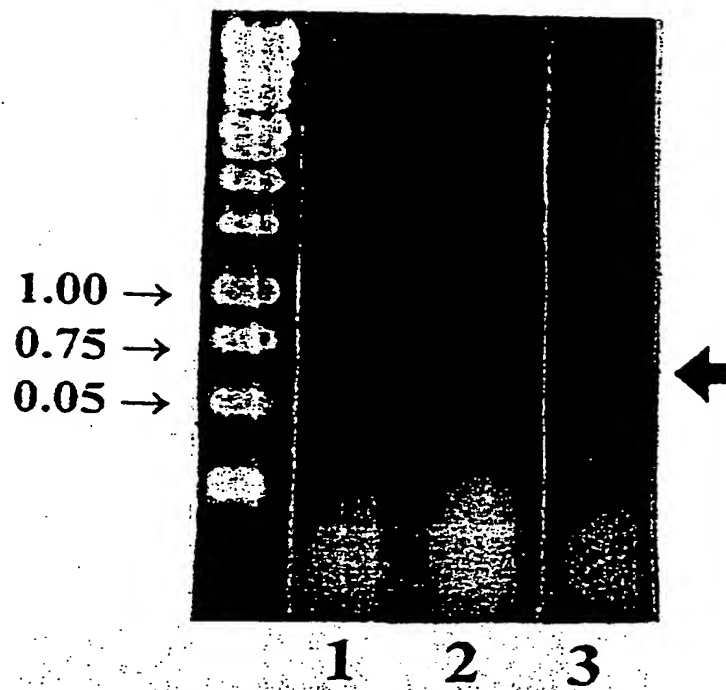


FIG. 7

BEST AVAILABLE COPY

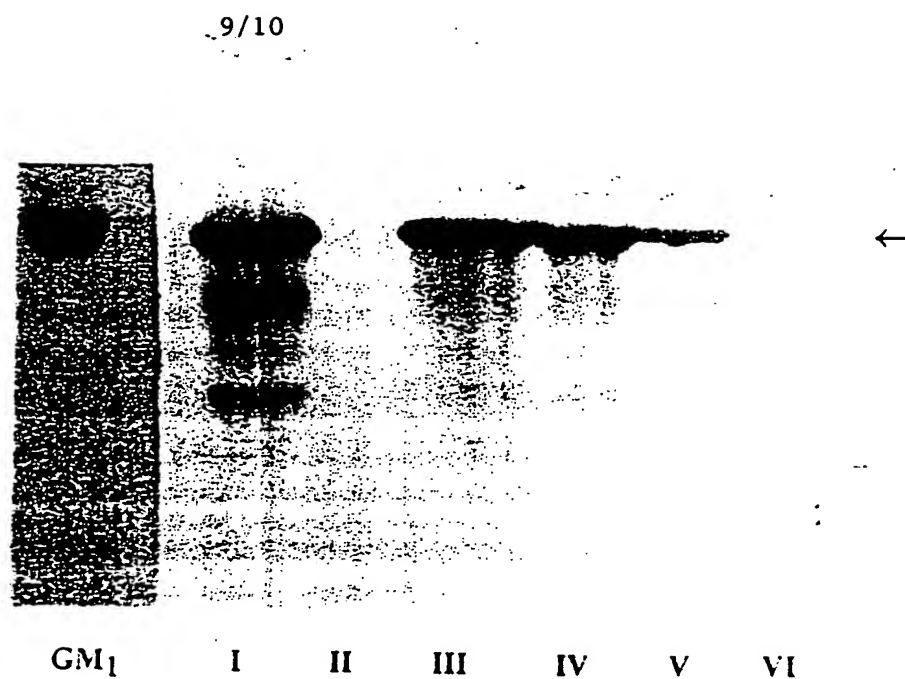


FIG. 8A

	<u>cpm - background</u>	<u>% initial activity</u>
I	19,832	100
II	0	0
III	6,726	34
IV	4,917	25
V	1,043	5.3
VI	104	0.52

FIG. 8B

BEST AVAILABLE COPY

10/10

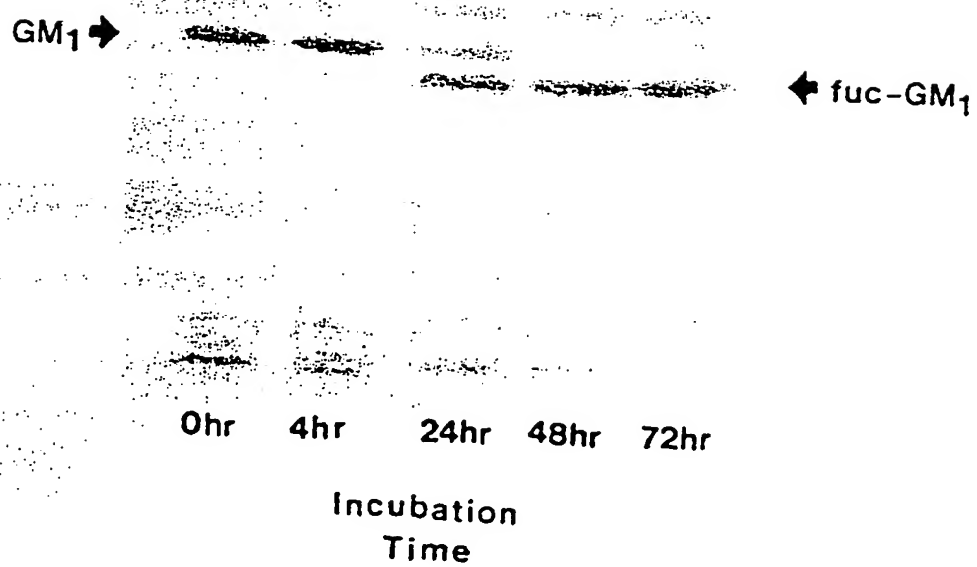


FIG. 9

BEST AVAILABLE COPY